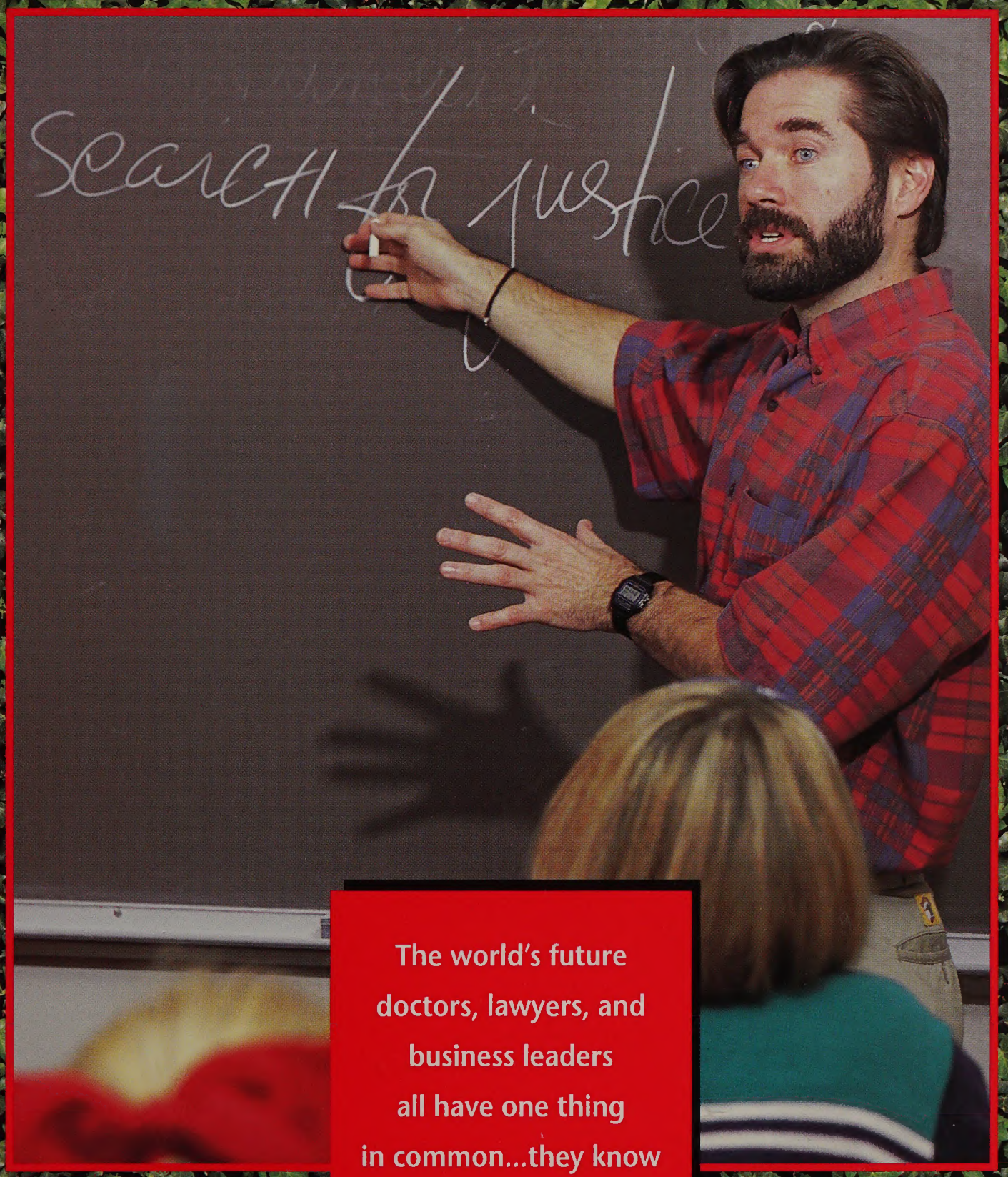
Centenary College Academic Programs



The world's future doctors, lawyers, and business leaders all have one thing in common...they know where to start.

Medical, Dental, Law School Placement: 85%

Career Placement: 98%

OUR FACULTY

Professors at Centenary coach their students to new levels of achievement and self-confidence. The College's 11:1 student-to-faculty ratio allows for close-knit and personalized learning experiences in classes that rarely exceed 25 students. In fact, 53% of the classes at Centenary have 10 students or less. Our faculty are guides as students navigate the path of academic and personal growth. It's no wonder that students often refer to their professors as friends. With over 92% of our faculty holding the highest possible degree in their fields, classes are taught by scholars in their fields, people who are committed to providing the highest quality education to their students.

"Centenary's faculty are instrumental in making the 'family' feeling work..."

Barron's
Best Buys in College Education

Faculty-student collaborations are commonplace at Centenary. This is the reason so many of our students present papers at national conferences, win prestigious awards and go on to the best graduate and professional programs. In the past five years, Centenary has produced three recipients of the Goldwater Scholarship, the premier undergraduate award in the fields of science, mathematics and engineering. Centenary boasts about its award-winning publication, *Le Tintamarre*, the only French language newspaper in the country completely created by students. In 1996, a group of business majors built the only four-sided climbing wall in the country. In three months, they raised $35,000 for the project, contracted with an architect and builder, secured insurance and completed the project. Among other things, the wall will be used during orientation for team building exercises.

Centenary College builds upon the existing strength of its academic program by inviting renowned scholars from other colleges and universities and leaders in business and industry to visit Centenary classrooms. Each year they share their expertise and enrich not only the students but the faculty as well. Centenary has had more Woodrow Wilson Visiting Fellows than any other college or university in the United States. These pioneers in their fields live on campus for a week and bring the "real world" into the classroom as they present lectures and meet with students on campus.

ACADEMIC RESOURCES

Centenary strongly espouses the academic philosophy of hands-on learning. In keeping with that philosophy, students are provided with a wide array of resources and equipment which enable them to engage in experiential learning to its fullest extent.

In 1996, Centenary received a prestigious Howard Hughes grant that enables the purchase of additional high-tech scientific equipment as well as develop new cooperative learning programs to enhance the study of science. Our biophysics department recently received a grant to develop a novel way of pinpointing oxygen deficiency inside the body which will help treat strokes and other circulatory diseases. From our state-of-the-art language lab, to our specialized music library where students can electronically create their own compositions, to our laser spectroscopy lab and NMR spectrometer, we help our students get the best experience by giving them hands on practice with the tools they'll be using in their professional lives. Whatever your goal, Centenary's first-rate facilities will support your endeavors.

The John F. Magale Memorial Library is a comfortable, peaceful place for students to study and conduct research. It contains over 180,000 catalogued volumes and features over 1,000 current periodicals, CD-ROMS, networked computer facilities and a rare book collection. Students also have access to an excellent interlibrary loan program which ensures that they can receive any books necessary to complete their work.

All academic buildings at Centenary are linked via fiber optic cable to the Internet and students have access to several software packages available on over 300 computers throughout campus. Each residence hall has a networked cluster of computers and a printer which are available for use 24 hours a day. The College supports the Microsoft Office software suite and several Internet software tools including Netscape and electronic mail. In addition, technology has been incorporated in several courses across the curriculum; students are using computers in disciplines such as English, astronomy, health and exercise science, philosophy, business, math and geology.

The **Marjorie Lyons Playhouse is one of the most beautiful and well-equipped college theatres** in the country. A 1958 gift to the college from trustee Charlton H. Lyons and his family, this 320 seat facility is home to six full-scale productions each year, at least one of which is a musical production.

The **Meadows Museum of Art is a cultural institution within an educational setting.** Its purpose is to serve as an art museum that engages in education and collections development as well as campus and community services. Created to preserve a record of cultural diversity, Meadows Museum has successfully addressed multiculturalism through many exemplary projects funded by the Louisiana Endowment for the Humanities. In support of our excellence in humanities programming, the Museum received a distinct honor, the Special Humanities Award in presented in recognition for major contributions to the humanities in Louisiana. This was the first such award LEH ever presented to a museum.

INNOVATIVE PROGRAMS

At the heart of our liberal arts curriculum is the concept of openness to new ideas. We pride ourselves in the careful consideration and implementation of new programs. While never abandoning our basic precepts, we remain on the cutting edge of curriculum enhancements.

All students participate in **The Centenary Plan**—a three-pronged strategy to ensure a student's complete preparation for life beyond graduation.

Through **Career Exploration**, students participate in a systematic and planned inquiry into career opportunities through self-assessment, increased awareness of career options, and developing a personal profile of qualifications and accomplishments (and in many cases an internship)—all of which are important skills in securing a rewarding job.

The Intercultural Experience gives students the global perspective necessary to be successful in today's multicultural world. This becomes increasingly important as technology brings the world closer together. Whether students choose to experience a culture within the U.S. or to travel abroad, the intercultural experience will help to develop the skills necessary for success.

Community Service allows students to better understand citizenship in our society by contributing to it. Centenary helps students acquire and develop new skills and then asks them to actively use these skills by reaching out to others in the community. Students can work within the Shreveport area or volunteer time in another city, state or country.

The **May Module** is a unique program in which students spend two to three weeks intensely studying a particular topic. While many students use the Module to complete part of the Centenary Plan, the Module can be used to complete study in a variety of academic areas. Hike in the Grand Canyon, explore Costa Rica, work with an inner city youth group in Philadelphia, or attend a lecture on campus—the options are countless!

Students may choose to minor in the following disciplines:

Accounting
Art
Biology
Business
Chemistry
Christian Education
Communication
Computer Science
Economics
Education
English
Environmental Studies
Exercise Science
French
Geology
German
Health
History
Latin
Mathematics
Music
Philosophy
Physics
Political Science
Psychology
Religion
Spanish
Speech
Sociology
Theatre

Centenary College offers degrees in the following majors:

Accounting
Applied Science
Art
Biochemistry
Biology
Biophysics
Business
Chemistry
Christian Education
Communication: Professional Writing
Communication: Film/TV/Video
Dance
Economics
Elementary Education
Secondary Education
English
Environmental Science
Foreign Languages
French
Geology
German
Health and Exercise Science
Health and Physical Education
History
Interdisciplinary
Liberal Arts
Mathematics
Music
Performing Arts
Philosophy
Physics
Political Science
Psychology
Religion
Sociology
Spanish
Speech
Theatre

Centenary offers programs of study for those interested in pursuing careers in:

Athletic Trainer Certification
Audiology
Business Administration
Church Careers
Dentistry
Engineering
Health Administration
Language Pathology
Law
Computer Science
Medical Technology
Medicine
Military Science
Museum Management
Nuclear Medicine Technology
Nursing
Occupational Therapy
Pharmacy
Physical Therapy
Physician Assistant
Theology
Veterinary Medicine

FROST SCHOOL OF BUSINESS

MAJOR COURSES OF STUDY
Accounting
Business Administration
Economics

The Business Curriculum

Most students majoring in **accounting** plan to pursue careers in this field, many as certified public accountants. Thus, the curriculum provides students with specialized and comprehensive training in the field of accounting. Introductory courses focus on basic accounting principles, while advanced courses cover topics such as cost accounting, tax accounting, governmental accounting, auditing, business law, and accounting information systems. The department encourages non-business majors to learn more about accounting by enrolling in one or more courses. A special option for accounting students is the new five year accounting program. On the five year plan, students receive a B.S. in Accounting and either a Master of Accountancy or a Master of Science in Management. These degrees satisfy the state law requirements of 150 hours to sit for the C.P.A. exam upon graduation.

Barrie Richardson

Helen Mason

For many students, choosing to major in **business administration** stems from their desire to secure employment in business or industry or to continue their education at the graduate level. The business administration major emphasizes the basic quantitative and qualitative skills needed to succeed in the foundation courses (economics, accounting, finance, marketing and management). Additional higher-level courses in human resources, communications, finance, human relations, investments, journalism and international affairs expose students to many facets of the business world.

Ninety-eight percent of Centenary business majors were employed within one month after graduation.

Centenary **economics** majors first approach their studies through an overview of economic society that describes how social, financial and international issues affect the economy. The economics major usually has one of the following goals: to pursue an advanced degree in economics or to create a specialized degree with a minor in another field that will help them secure a specific job upon graduation. For example, several economics graduates have also studied political science, foreign languages and journalism. Core classes include introductory economics, social issues, and economic theory, while subjects such as public finance, labor economics, international economics, statistics and econometrics are studied at the advanced level.

No matter which course of study you choose, several ***internship*** opportunities exist to gain "hands-on" experience. Centenary students have interned at Fortune 500 companies, local and national investment firms, nonprofit and government organizations and local small businesses. Many of these internships lead to full-time careers upon graduation. Centenary students consider internships as highlights of their educational experiences.

The Faculty

You'll enjoy getting to know and work with the faculty from the Frost School of Business. They are both exceptional teachers and interesting people. They hail from such fine institutions as Yale, Duke and Virginia Tech. One professor is studying the relationship of bank performance and local economic activity, while another served as site coordinator for the IRS. Together, they have contributed to and edited numerous publications and journals. All have presented research, much conducted in cooperation with Centenary students on a variety of business-related topics ranging from business ethics to the economics of AIDS. As experts in their fields they provide leadership and guidance to all students and strive each day to prepare the future business leaders for tomorrow.

Career Opportunities

Economics graduates seek advanced study in the fields of business administration, law, public administration, international relations,

financial analysis, economic forecasting and public finance. **Accountants** work as chief financial officers, controllers and chief accountants. Government and nonprofit organizations employ accountants in areas such as the General Accounting Office, Internal Revenue Service and the Defense Contract Audit Agency. A Certified Public Accountant (CPA) is licensed by state authority after passing a comprehensive uniform CPA exam and meeting requirements for professional experience and continuing education. CPAs provide auditing, compilations, reviews, tax return preparation and financial planning services. Many Centenary **business administration** graduates have assumed leadership positions with Fortune 500 firms and both national and local corporations. Business majors also pursue careers in the fields of marketing, management, business administration, financial operations and entrepreneurship.

FINE ARTS & PERFORMING ARTS

MAJOR COURSES OF STUDY
Art
Theatre
Dance
Speech
Performing Arts
Theatre/Speech
(with teacher certification)

The Art Curriculum

Small class sizes result in Centenary **art** majors receiving what some consider private art lessons by master artists. The art faculty works with students to ensure skill mastery in drawing, painting, sculpture, graphic arts and art history. This is largely accomplished through courses which aim to develop the creative process. Courses such as history, art appreciation and critique create the foundation for advanced study and give students a perspective through which they might understand the great masters of the art world. A combination of theory and hands-on studio courses at the upper-level allows students to sharpen their technique through intensive study in printmaking, drawing, pottery, and sculpture, materials and methods. For those who want to gain experience before graduation, art internships are available at galleries, studios, museums and with professional artists.

Students display their works through several venues including the Meadows Museum, the campus art center and the library, as well as local galleries and shows including the Shreveport Airport's ARTPORT exhibit. Our impressive art facilities include educational classrooms, a darkroom, the Turner Art Gallery, Meadows Museum and studios for drawing, painting, sculpture and printmaking.

The Meadows Museum collection includes works from Chagall, Renoir, Cassatt, Toulouse-Latrec, Dali, Audubon and Piranesi, and is home to the permanent collection of Jean Despoujols Indochinese art.

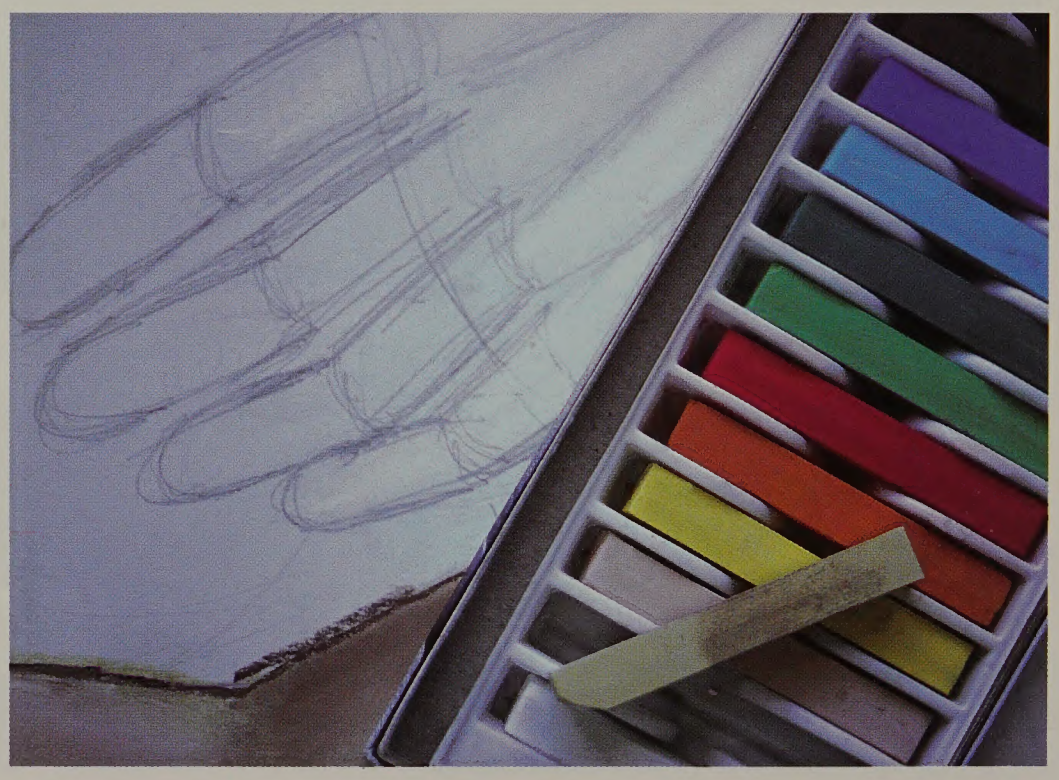
For students interested in curation and other aspects of museum work, we also offer the **Museum Management Program.** Not limited to art majors, the program requires students to combine business classes with art courseworks and participate in activities at the Meadows Museum. This program enables many of our students to work as gallery and museum managers immediately upon graduation.

The Faculty

Six professional artists comprise Centenary's art faculty. They have worked in various fields including museum curation and direction, sculpting, painting, graphic design, consulting, stage design and video production. They are graduates of distinguished art programs at institutions such as Parson's School of Design, Texas Christian University, and Washington and Lee. They exhibit both regionally and nationally and have won numerous awards for their contributions to the arts.

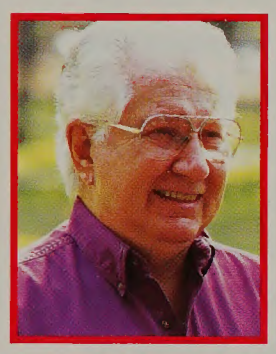
Career Opportunities

Centenary art graduates have found varied and interesting careers. Some choose to teach or pursue graduate degrees in graphic or fine arts. Others become professional artists, gallery owners, museum managers and curators, interior designers and professional photographers. Centenary art majors have achieved success as physicians, attorneys and business leaders. Wherever their career paths take them, they agree that the understanding and appreciation of art learned at Centenary prepared them to master the specific skills necessary in their professional fields.



The Theatre/Speech/ Dance Curriculum

Many refer to Centenary College as having the best theatre in Shreveport. After attending a production, you will understand why. Within the first few weeks of class, theatre majors are exposed to all aspects of creating a full-scale theatrical production. Acting, directing, lighting, costume design, set design, sound and make-up are some of the areas a **theatre** major will practice both inside and outside of the classroom. Courses in technical theatre, lighting, theatre history, criticism and analysis, design and stage management serve as a foundation for advance work in the areas of improvisational acting, movement and directing. Any interested student may audition for plays at Centenary. It is truly a community experience that students, staff and local patrons support and enjoy immensely.



Bob Buseick

Speech communication is the basis of the **speech** degree program at Centenary. As part of the theatre program, many performing arts and theatre majors often double major or minor in speech. The speech major can choose from courses such as small group communication, cross-cultural communication, voice for the stage and interpersonal communication. A forensic program, which includes debate, gives students opportunities to practice their speech skills in a venue other than the classroom. Students may also pursue a B.A. in Theatre-Speech Certification which is planned in cooperation with the Education Department. This option provides the background and training to earn Louisiana State Teacher Certification.

A degree in **dance** is designed for those who wish to pursue careers as teachers, performers and/or choreographers. Dance majors must take at least 20 hours of technique courses with a major concentration in the disciplines of ballet, tap and modern jazz. Supportive courses in theatre, music, voice, exercise science and biology are also recommended. Each year a select group of students are invited to join Escaped Images, Centenary's dance company. Centenary students also participate in the annual American College Dance Festival. In the past three years, several pieces choreographed by our faculty and students have been chosen as exhibition pieces on the festival's final evening.

Centenary dance student LeVette Fuller was chosen "Dancer of the Year" by the Shreveport Metropolitan Ballet.

The traditional theatre program does not always provide the diversity that students are seeking in a major. The **performing arts** degree may better suit their needs. This broader based curriculum includes acting, dance and music. In order to be accepted into this selective program, prospective students must audition for admission and demonstrate strong potential in either acting, dancing or music. In addition to 26 hours from the theatre, dance and music disciplines, students are required to complete at least six hours of a foreign language.

The Faculty

Performing artists, actors, dancers and directors in their own right, the four members of the Theatre/Speech/Dance Department not only teach but continue to practice their craft in a variety of ways. They are acclaimed producers and directors, contemporary and Shakespearean actors, stage and lighting designers. They share their real life experiences with students in the classroom. Their numerous honors and awards include two Kennedy Center bronze medallions, selection as one of only seven in the country to direct a production for the 1995 American Theatre Festival, choreography of musical productions in Los Angeles and multiple Times Drama Awards for acting, directing, lighting and production.

Career Opportunities

A degree in Theater, Speech, Dance or Performing Arts can lead to rewarding careers in the fields of teaching, performance, design, radio and television, arts administration, public relations and advertising. Centenary graduates in have gone on to do successful graduate work at such prestigious schools as Juilliard, Emerson College, Sarah Lawrence and the University of California. Many have also moved to New York and Los Angeles to work and continue study in their respective fields.

FOREIGN LANGUAGES

MAJOR COURSES OF STUDY
French
Foreign Languages
German
Spanish

The Foreign Languages Curriculum

At Centenary, foreign language classes are small, and our program is organized to meet individual needs. Students majoring in a foreign language are strongly encouraged to spend at least one semester studying abroad to provide another avenue for mastery of the language and a greater understanding of the culture. In all foreign language classes, teachers and students speak the language being studied in order to reinforce their skills.

Majoring in **French** entails both mastery of the language and knowledge of the history, culture and literature of France. In the first years of study, students participate in several conversational labs as well as introductory language courses. Upper level courses reinforce verbal and written skills in French and introduce students to traditional and contemporary French literature. Since Louisiana is the only official bilingual state in the country (English and French), it is the perfect setting for students to not only study but to participate in active learning through visits to other cultural settings. Our French program produces such outstanding graduates that every student who applies for a scholarship to travel abroad from CODOFIL (Council for the Development of French in Louisiana) receives one.

Centenary's French students created the only student-run French language newspaper and produced the first student-run French language radio program in the country.

German at Centenary is proficiency-oriented. Students learn how to read, write, speak and understand the German language and appreciate German culture. Along with the conversational German courses, majors also study the poetry, literature and history of Germany. One unique aspect of this program is a course which is team-taught along with the sociology department. The German literature and translations

class meets weekly with the students in the class studying the sociology of the Holocaust. Along with class lectures and discussions, guest speakers (such as a local Holocaust survivor) help students understand the concepts they are learning by providing actual accounts of the that time. In addition, a three-week inter-cultural module to Bremen, Germany, provides students with intensive exposure to German language, culture and everyday life. Participation in organizations such as the German Club gives students an opportunity to speak the language with their peers in a non-classroom setting.

As a **Spanish** major, a student gains a practical tool for personal pleasure and professional advancement. Many students choose to combine a minor in Spanish with a major in another discipline. For example, Centenary's Business/Spanish program is designed for those who want to complement their business studies with a strong foundation in Spanish. Centenary students have the option of studying Spanish in Mexico, taking 30 hours of the language while living there.

At Centenary, foreign language classes are small, and our program is organized to meet individual needs.

For those students interested in a more broad-based curriculum covering French, Spanish and German, the **foreign languages** major may be the right choice. Students study two or three languages in depth, taking 12 hours of advanced level courses in one language and 8 hours in the other. The foreign languages major does not require the same level of intensive study as a major in a specific language (French, German and Spanish majors must take 22 hours of upper level language courses), but it does give students extensive knowledge of multiple languages and cultures.

The Faculty

The six men and women who make up the Foreign Language faculty are all bilingual and have considerable bicultural experience. Each professor in the department has published at least one book and has contributed numerous professional research papers, presentations and other publications to their specific fields of study. All faculty have traveled and studied extensively in countries where their specific languages are spoken.

Career Opportunities

In an increasingly inter-dependent world, knowledge of other cultures and languages is no longer a luxury. Students whose communi-cation skills include reading and writing a foreign language and understanding foreign cultures have a distinct edge in today's job market. Career opportunities exist in numerous fields, including tourism airlines, business, foreign service, government and teaching. Our graduates have received a Fulbright Scholarship and an award from the National French Honor Society for study at Laral University in Quebec. The latter award was one of only seven given in the nation.

Hurley Memorial
MUSIC
BUILDING

THE HURLEY SCHOOL OF MUSIC

MAJOR COURSES OF STUDY
Applied Music
Music
Music Education
Sacred Music

The Music Curriculum

Music helps develop both the intellectual and emotional aspects of human consciousness. It is no wonder that so many Centenary students—both majors and non-majors—choose to participate in some sort of music-related activity during their time here. The Hurley School of Music curriculum prepares students for entry into the world of music as performers, teachers, church musicians and professionals in related fields. Those pursuing a degree in **music** must audition in order to be admitted to the program. All degree candidates must meet requirements in piano proficiency, participate in an ensemble, perform and attending recitals.

Gale Odom

The Centenary College Choir—"America's Singing Ambassadors"—travel each year, tour internationally every other year and have been featured on Good Morning America.

Students pursuing the Bachelor of Music degree have four areas of concentration from which to choose: performance (vocal or instrumental), theory and composition, sacred music or music education (vocal or instrumental). The B.A. of Music encompasses a broader base of liberal arts course offerings with substantial study in music. Courses at the 100 and 200 level include elementary music theory, recital and reading, voice, piano, orchestra, opera workshop and chamber ensembles. Advanced courses (300 and 400 level) include music methods (for elementary and secondary education), principles and techniques of conducting, composition and music history, in addition to several levels of string, brass, woodwind and percussion pedagogy and principles classes. All Centenary students are encouraged to participate in the music program and courses designed for both majors and non-majors are an integral part of the curriculum.

An incredible array of performance opportunities exist for our music students. Many vocal music majors participate in The Centenary Choir, Camerata (Chamber Choir), and Opera Workshop while others are active in our Wind, Chamber and Jazz ensembles, Chamber Orchestra, Piano Accompaniment or solo instrumental and vocal performances.

The Faculty

The faculty of the Hurley School of Music are superbly trained musicians and scholars. The department has 17 faculty members and instructors with degrees from some of the most prestigious music programs in the nation including the Oberlin Conservatory , Eastman School of Music and the University of Michigan. They are active in the local music community and perform regularly as recitalists, church musicians, opera performers and symphony musicians. The faculty works with students to ensure that they reach their full potential as students and as musicians.

Career Opportunities

A degree in music can lead to careers in such fields as performing arts, education and church music. Many of our graduates have achieved extraordinary honors such as first place in the Gulf Coast Regional Metropolitan Opera auditions in 1996 and selection for the Louisiana Intercollegiate Honor Band. Many graduates are prominent members of major opera companies in the U.S. and abroad, while others now teach music at the elementary, secondary and university levels.

THE SCIENCES

MAJOR COURSES OF STUDY
Applied Science
Biology
Biochemistry
Biophysics
Chemistry
Environmental Studies
Geology & Geography
Physics & Engineering
Mathematics & Computer Science

The Applied Science Curriculum

A major in **applied science** prepares students to enter programs in the following fields:

Occupational Therapy
Physical Therapy
Pharmacy
Speech Pathology
Medical Technology
Physician's Assistant
Health Administration

Students pursuing the major have the option of attending Centenary College for three years and then attending an accredited hospital, medical school or university for a fourth or fifth year of intensive study in their chosen field. Many Centenary students choose to complete four years of study here and then enter a graduate program. In that case, the student's final year of classes are selected with the assistance of the Applied Science advisor. The adviser for the applied science major is a faculty member from the biology department. However, depending on which track is chosen, a student will work with faculty members from the departments of math, business, psychology, health and exercise science, theatre-speech, sociology and political science.

Career Opportunities

Most of Centenary's applied science majors choose this field of study because they plan to enter either a graduate or professional program. Recent graduates are currently attending nursing, physical therapy and medical technology programs. Depending on the specific program a student pursues, careers are available as pharmacists, physical therapists, health administrators, medical technologists and occupational therapists.

Beth Leuck

The Biochemistry Curriculum

The science of **biochemistry** seeks to understand the processes of biological systems in chemical terms. This interdisciplinary major is flexible and tailored to students' specific intellectual and career goals. In addition to several specific courses in biochemistry, majors take advanced level chemistry (including organic and analytical chemistry), microbiology and cell biology, physics, math, and elective courses in the arts and social sciences. Special enrichment opportunities for including cooperative research with faculty and study abroad opportunities are available to any interested biochemistry majors.

The Faculty

The interdisciplinary nature of the biochemistry major allows our students to work with faculty members from all the sciences, with specific concentration in biology and chemistry.

Career Opportunities

A degree in biochemistry offers preparation for graduate programs in the biomedical sciences such

Juan Rodruiguez

as molecular biology, microbiology and virology. A biochemistry background is also the natural starting place for the growing biotechnology field, including manipulation of genetic material. These fields, along with chemical industries and others, are seeking the expertise that a biophysics major provides.

The Biology Curriculum

An emphasis on the cultural values of the life sciences and the application of biological concepts to humanity are central focuses of the **biology** major. The program provides a broad background for non-majors as well as future biologists. Classroom and laboratory experiences are complemented by off-campus opportunities designed to prepare students for graduate study in biology. Majors must take at least 36 hours of biology courses, 16 hours of which must be at the 300 level or higher. Centenary offers both the B.A. and B.S. in Biology, with the latter oriented towards students planning to attend medical school. All biology majors are encouraged to undertake a research project during their junior or senior years. Some students complete this project by working with a Centenary faculty member on research. Others pursue different options, including working at the Louisiana State University Medical Center laboratory, studying abroad in Costa Rica in our semester-long biology program and conducting research at the Oak Ridge National Laboratory.

The science faculty recently adopted "discovery science," an inquiry mode of teaching the theoretical dimensions of science by doing science in a laboratory rather than reading or hearing abstractly about it in a lecture hall.

The Faculty

The biology faculty are graduates of esteemed institutions such Exeter University (England), Michigan State and the University of Oklahoma. They have held positions from biologist at a major corporation to researcher of animal life in Costa Rica. Together they have authored over 40 publications. Their diverse professional and research experiences combine to give students the chance to learn about several aspects of the field.

Career Opportunities

Most Centenary graduates continue their education by seeking advanced degrees in the fields of medicine, dentistry, veterinary science and molecular biology. Additional career opportunities include lab technician, medical technician and environmental scientist.

The Biophysics Curriculum

Biophysicists concern themselves with topics such as the structure-function relation of proteins and nucleic acids, photosynthesis, biological transport processes, sensory systems and computer modeling. Centenary's **biophysics** curriculum was designed in consultation with our science departments and major research and medical institutions from around the nation. Biophysics majors can receive an interdisciplinary degree in a field that fuels fundamental discoveries in both biology and medicine. This program stresses research as an integral part of the student's education. Students can opt either to take advanced physics lab or to conduct personal research with a faculty member during the summer and receive course credit.

As one of the first liberal arts colleges in the nation to offer an undergraduate degree in biophysics, Centenary offers a program that approaches biology from the perspective of the physical sciences.

The Faculty

The biophysics major combines courses from several scientific disciplines. Our resident biophysics professor is a noted leader in his field. He first received national attention when the media covered his discovery of a flaw in the Pentium microchip while working on a major research project with a Centenary student. Just a few months ago, he received a grant to develop new ways to pinpoint oxygen deficiency inside the body. This will help treat stroke victims.

Career Opportunities

The addition of the biophysics major to our academic program has yielded excellent results. Several graduates attend prestigious medical schools such as the University of Texas Southwestern Medical Center and others are in graduate schools. One Centenary biophysics graduate is the top law student in her class at Loyola. Other career opportunities include jobs in the biotechnical industry, technical jobs in scientific, pharmaceutical and medical communities and environmental researcher and scientist.

The Chemistry Curriculum

Chemistry is the branch of science which studies the composition, structure, properties and reactions of atomic and molecular systems. Modern chemistry is thus a broadly diverse field, rooted in mathematics and physics with applications in biology, geology and medicine. For **chemistry** majors at Centenary, instruction has changed from being primarily classroom-based to a cooperative, discovery-based mode of teaching where the laboratory is the primary site of learning. Our bachelor of science degree in chemistry is accredited by the American Chemical Society. Majors explore this science through courses in physical, analytical, organic and inorganic chemistry and lab research. Students can participate in a semester-long internship experience at the Oak Ridge National Laboratory or at one of several medical research institutes in the local area.

The department provides opportunities for students to explore complex issues and problems through extensive research and then present their findings at national science conferences.

The Faculty

As a team, Centenary's chemistry faculty have received many notable honors and awards. These include the American Institute of Chemists award, an Owens-Corning Fellowship and a McElvain Scholarship. Their research topics span the discipline, ranging from protein chemistry to spectroscopy to unimolecular collisions.

Career Opportunities

Our ACS certified degree is recommended for those who plan to continue studying chemistry at the graduate level. Many chemistry majors enter graduate, medical or dental schools. Others choose careers as professional chemists, teachers or environmentalists.

The Environmental Science Curriculum

Students today have an acute awareness of the changes in and threats to our global environment. **Environmental science** majors at Centenary possess a strong desire to understand the components of the environment and to solve the problems that put the environment at risk.

One of our environmental laboratories—the Centenary Arboretum and Pond—is located in the center of campus. It is home to hundreds of native plants, animals and other living organisms. Students also work locally in the fields of east Texas studying the effects of the oil and gas industry and the overfertilization of the properties on which animal farming takes place. Through our multidisciplinary approach—a combination of courses in chemistry, biology and geology—students gain both

Ilke Yaz

intellectual and research skills that lead them to professional employment in the environmental industry or to continue their studies at the graduate level.

The environmental science minor can be combined with several degrees in the arts, humanities and social sciences and is not solely designed for science majors.

The Faculty

Due to the interdisciplinary nature of the environmental science major, students will work with faculty members from several different departments. The concentration of their coursework will be in the areas of chemistry, geology and biology. Our outstanding faculty are scholars whose specialties range from ecology and biogeographic studies to sedimentary geology and planetary geology.

Career Opportunities

As awareness of environmental issues continues to grow, so do the career opportunities in this field. With an extremely marketable degree, today's graduates seek careers ranging from environmental consulting and environmental law to research and environmental technology.

The Geology & Geography Curriculum

Shreveport is part of a region known as the Ark-La-Tex. Its geographic boundaries incorporate southern Arkansas, northwest Louisiana and east Texas. For students interested in pursuing a degree in geology or geography, Centenary College is ideal. Our campus is situated in an area which provides numerous research and exploration opportunities. The bachelor of science degree in geology is heavily science-oriented, with most students continuing in graduate studies to become professional geologists. In addition to core classes, students choose from a diverse selection of courses including mineralogy, geomorphology, paleontology, geochemistry and geophysics.

The Faculty

The five members of the department earned their degrees from distinguished programs at Johns Hopkins University and Texas A&M. One department member has written and secured 12 national research grant proposals since 1990. Another, whose background is in modern physical geology, is actively involved in the study and conservation of Caddo Lake—home to many endangered or threatened plants and animals.

Career Opportunities

For many geology graduates, careers in this field often begin after graduate school. Past graduates have pursued such careers as law, business, education, environmental consulting, petroleum and land management and geological research.

The Mathematics & Computer Science Curriculum

People from all walks of life use the analytical and problem solving skills that come from understanding mathematical concepts. We want our **math** majors to learn the fundamentals of math–the arrangements, forms, sets, relationships and properties of numbers—as well as to understand those concepts in modern society through the use of technology-based learning. A solid foundation in mathematics is a smart choice for many fields of study. Our introductory level courses range from elementary functions and geometry to calculus for business and economics. Higher level courses in math include differential

equations, operations research, topology, vector analysis and several offerings in mathematical theory.

The **computer science** minor is an important component of this program since computing has become more of a "life skill" than a hobby in recent years. Students majoring in mathematics, business, economics and government can pursue a minor in computer science. From the fundamentals of applications to programming in ADA, Pascal, FORTRAN, COBOL and C, the minor is the foundation for careers which require a technical background. Advanced courses include computer architecture, computer organization and assembly language, data structures, and operating systems and networking.

The Faculty

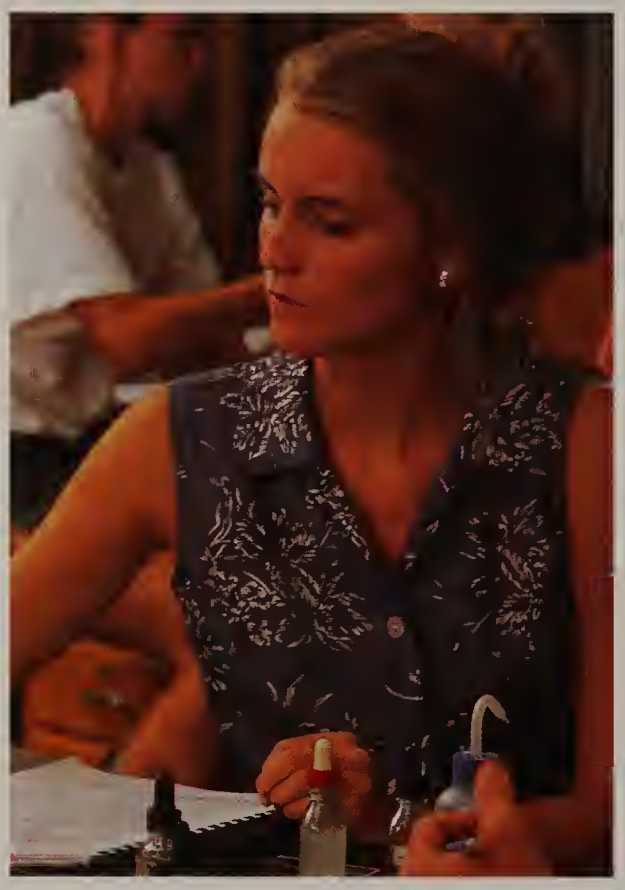
Our mathematics and computer science department has outstanding men and women who excel in their fields of expertise. Their professional interests range from linear algebra and analysis control to estimation of dynamic systems, software engineering and object-oriented software design,

Career Opportunities

The mathematics curriculum is designed so that students majoring in the field may choose any number of avenues upon graduation. These include teaching, industry, computer mathematics, computer programming, systems analysis, actuarial work or a combination of mathematics with other scientific training.

The Physics & Engineering Curriculum

Physics, the most fundamental field of science, is the study of nature at its deepest level—matter and its interactions. These interactions are useful for students as they engage in research using our impressive facilities and equipment including a large Varian electromagnet, a multichannel analyzer, nuclear decay detectors and telescopes. The physics curriculum includes courses in conceptual physics, thermal physics, electricity and magnetism, and quantum mechanics. By working with an adviser or faculty team, students take advantage of independent studies, individual or team research projects and internships.



In addition to our physics major, students have the option of a 3-2 dual degree program in **engineering.** Centenary has affiliations with Columbia University, Washington University, Case Western Reserve, and Southern Methodist University. Students prepare by taking classes in mechanics of solids, engineering graphics and varying levels of statistics and dynamics.

Jeff Trahan

The Faculty

The comprehensive professional backgrounds of our four physics faculty members include nuclear engineering, biophysics, nuclear physics and solid state physics. Their research experience includes appointments and post-doctoral work at such notable places as NASA, Oak Ridge National Labs, the National Science Foundation and Los Alamos Scientific Laboratory. Each professor publishes in numerous professional journals and conducts research with students.

Career Opportunities

A physics degree communicates immediately that its holder is intelligent, hard-working, and most certainly not intimidated by technology. Our graduates' success demonstrates that a physics degree is useful in many ways. Many continue on to graduate school in physics and engineering, others to medical school, and others use the training to obtain technical employment. What are some recent Centenary physics graduates doing? Graduate studies at Purdue University, software development, environmental technology consulting and biomedical engineering, just to name a few.

EDUCATION

MAJOR COURSES OF STUDY
Elementary Education
Music Education
Social Studies Education
Secondary Education
Science Education

The Education Curriculum

Centenary helps its **education** majors become the educational leaders of the future. With a curriculum that includes certification in both elementary and secondary education and over nearly two dozen specialty fields, our majors are well-prepared to teach in a variety of settings. The department encourages elementary education majors to certify in a specialty area. All secondary education majors are encouraged to certify in at least two areas. Depending on the student's specialty, he/she will be granted either the Bachelor of Science, Bachelor of Music or Bachelor of Arts degree.

Specialty Areas

Art
Biology
Business
Chemistry
Computer Science
Early Childhood Earth Science
Elementary (1-8)
English as a Second Language
French
General Science
German
Health and Physical Education
Instrumental Music
Journalism
Kindergarten
Latin
Mathematics
Physics
Social Studies
Spanish
Speech and Vocal Music

The education curriculum is diverse due to the various options each student has for specialty study. General education course selections include foundations of education, educational psychology, introduction to test and measurement, foundations of nursery school and kindergarten education, introduction to language and culture and educational technology. In addition to student teaching opportunities, Centenary has recently initiated an exchange program with students and faculty from Ekaterinburg, Russia.

John Turner

The Faculty

The education department faculty bring years of teaching experience—from preschool through graduate school—to their classrooms. All have doctorates in education and experience including curriculum and instruction, literacy education, preschool, elementary and secondary education, and educational psychology.

Career Opportunities

The Department of Education provides a Teacher Placement Office for all students registered in the program. Students receive career assistance which includes a personal placement file, evaluations of applications an resumes, tips on interviewing and more. Most students choosing an education major plan to enter the field of teaching or to continue their studies at the graduate level.

HEALTH & EXERCISE SCIENCE

MAJOR COURSES OF STUDY
Health and Exercise Science
Health and Physical Education

The Health & Exercise Science Curriculum

A strong emphasis on the scientific aspects of health is the focus of the **health and exercise science** major at Centenary. Generally, students majoring in health and exercise science are preparing to enter the fields of health administration, fitness training or physical therapy. Interested students also have the opportunity to pursue our Athletic Trainer Certification Program. Focusing on a sound mind and body, **health and physical education** majors gain both the intellectual strength and physical stamina to achieve success in the fields of teaching or coaching.

The exercise science and health curricula include courses that focus on theory and on physical fitness. They include a number of athletic, dance and aerobic classes along with courses in the history of physical education, techniques of coaching, athletic training, motor learning, kinesiology, tests and measurements, first aid, drug education and nutrition.

The Faculty

The health and exercise science faculty prepares its majors for careers in wellness and fitness, and for graduate study in various health fields. Our educator/athletes are well published and serve as national and regional experts in the fields of health, physical education and exercise science.

Career Opportunities

New professions have been developed from the public's desire to have health and fitness incorporated into their busy lives. Qualified athletic trainers, personal trainers, fitness experts and wellness center managers are in high demand all over the country. Those Centenary students who enter graduate programs study physical therapy, medical rehabilitation and exercise physiology. Other health and exercise graduates get excellent jobs in athletic training, rehabilitation, sports medicine, corporate and private fitness programs and personal training. Graduates of our program have attained success as teachers, coaches, wellness counselors, athletic trainers and professional athletes.

PHILOSOPHY & RELIGION

MAJOR COURSES OF STUDY
Religion
Christian Education
Philosophy

The Religion Curriculum

The department of **religion** leads its majors in serious philosophical and theological consideration of the questions of humanity's origin, destiny, meaning and purpose. The basic assumptions of the courses is that these questions are best dealt with in the Judeo-Christian history and writings. The **Christian education** major is designed for those students preparing for a career working in a church. In addition to the Christian education major, Centenary's School of Church Careers offers all students the chance to participate in the program for **church careers**. In this one-of-a-kind program, students gain valuable experience while completing volunteer work within local community churches. The Church Careers program is open to any Centenary student, not just those majoring in religion or Christian education.

The religion curriculum has an array of courses covering topics from the philosophy of religion, history of the Christian church and biblical interpretations to religious and moral development and Christian education in the local church. Often, students planning to continue theological studies must meet additional requirements for professional study at graduate schools and seminaries. These students must work closely with an adviser to ensure the appropriate courses are included in their degree plans.

The Philosophy Curriculum

Philosophers have used logic and experience to clarify the meaning of fundamental concepts and presuppositions that govern the different areas of human life, thought and action. **Philosophy majors** undertake the task of rational clarification of the basic ideas and values which govern all aspects of human life and rational disciplines. Students pursuing other degrees are encouraged to enroll in philosophy courses, and many opt to add philosophy as a minor.

As the science of philosophy can be quite complex for some, our 100 and 200 level courses are designed to introduce freshman and sophomores to the work of philosophy in general or to a specialized area. These courses include introduction to problems in philosophy, ethics, symbolic logic and philosophy of science. Upper level courses in philosophy of world religions and contemporary philosophy are designed for those majors and minors who are prepared to do advanced work in this field.

Ken Aizawa

The Faculty

In all three majors, our faculty are renowned scholars. Our religion department faculty come from esteemed institutions, such as Vanderbilt University, and are experts on cults, feminist theologies, and folk religion of Louisiana. The philosophy faculty hail from Yale and the University of Pittsburgh—the finest philosophy programs in the country. Areas of expertise include philosophy of mind and science, logic and computational theory, the philosophy of biology and ethics.

Career Opportunities

Centenary students graduating with degrees in religion, philosophy and Christian education pursue several different career paths. These include educational ministries, youth ministries, teaching, law, medicine and graduate programs.

HISTORY & POLITICAL SCIENCE

MAJOR COURSES OF STUDY
History & Political Science

The History & Political Science Curriculum

Students studying history investigate the deeds and ideas of the past. Centenary **history** majors consider the lives, problems, and achievements of earlier generations, and seek explanations for how and why humans have either changed conditions in their world or have resisted change. A major in **political** science provides students with the critical reasoning and analytical skills that lead to success. This includes the study of the structure and legal basis of government, the decision-making process, public policy and the consequences of governmental actions.

Rodney Grunes

Course offerings in these areas are numerous and diverse, which is why many nonmajors choose to take several classes in both history and political science. The curriculum stresses critical thinking in addition to excellent oral and written communication skills. Topics of study in history include western heritage (1527 to present), Louisiana history, history of Russia, United States history, the social and intellectual history of America, in addition to several history courses about the South. Political science offers various levels of courses in law and government, world politics, political analysis, research methods, urban politics, political parties and elections, religion and politics, international law and U.S. foreign policy. Internship opportunities are open to any interested students. Past internship experiences include work for political campaigns, district attorney offices and U.S. Senate offices.

The Faculty

The four members of this department are noted experts who studied at such prestigious schools as Duke and Emory. Their research and teaching interests include Asian politics, world politics, Presidential politics, constitutional law, American government and Western civilization. In conjunction with the Office of Continuing Education, the Department sponsors an Introduction to Law Summer Program for high school juniors and seniors.

Career Opportunities

Many of our graduates pursue careers in law. Centenary boasts a 90% placement rate in law schools for its graduates. Others work in politics and business or attend graduate schools in public administration and business. Centenary history and political science graduates are teachers, historians and political analysts.

LIBERAL ARTS & INTERDISCIPLINARY STUDIES

MAJOR COURSES OF STUDY
Interdisciplinary Studies
Liberal Arts

The Liberal Arts Curriculum

Centenary students wishing to pursue a **liberal arts** major may do so under the guidance of a faculty committee comprised of representatives from three or four departments in which the student will complete the requirements of the major. In addition to the core requirements, liberal arts majors must complete intermediate level work in a foreign language and 48 hours in their selected major departments (with a minimum of 12 hours in each of the departments.) These departments must represent more than one of the academic divisions of the College (Science, Humanities, Social Sciences).

Interdisciplinary Studies

For many students, the right major is born from a combination of courses which span several disciplines. The student choosing an **interdisciplinary studies** major has many of the same needs as the liberal arts major with a few exceptions. With the aid of an adviser, Centenary College students can design an interdisciplinary major by presenting a detailed written proposal starting by writing goals for their particular course of study and then by identifying the departments and courses involved.

The Faculty

Though liberal arts and interdisciplinary studies majors study under faculty from several departments, these majors work closely with an academic adviser to plan and execute their specific curricular goals.

Career Opportunities

The mere nature of the interdisciplinary studies major requires students to spend a considerable amount of time deciding which career path to follow. Interdisciplinary studies majors have chosen careers in political journalism and the foreign service. Graduates with an interdisciplinary major enjoy successful careers in fields such as medicine, law, science, research and public relations.

ENGLISH & COMMUNICATIONS

MAJOR COURSES OF STUDY
English
Communications:
Professional Writing
Communications:
Film/TV/Video

The English & Communications Curriculum

Centenary **English** majors develop the analytical, interpersonal, and communications skills that help them succeed in the business world. The department offers a traditional curriculum with an emphasis on writing, American literature and English, as well as ample opportunities to study the related areas of the English language, communications and film. Course topics include grammar and composition, women writer's, surveys of British, renaissance, American and medieval literature, Shakespeare and literary criticism.

Our freshman English sequence, focusing on communication and analytical skills, was cited in *US News and World Report* as an exemplary teaching model.

Both tracks of the **film/television/video** degree are structured to teach students to express themselves and to communicate with others by using various electronic and film media. The first track focuses on screenwriting/critical studies and the other focuses on technical design and production. In addition to English courses, film/television/ video majors must take courses in the disciplines of art, foreign language, theatre and speech. With extensive internship opportunities available, Centenary students become creative artists of the media who have a strong sense of the complex realities of the world of film, television and communications.

Dr. Earle Labor, professor of English, is an internationally recognized scholar on the works of Jack London.

The purpose of the degree in **communications/professional writing** is to teach students the theory and practice of writing. Students pursuing this degree examine the mass media and concentrate on writing within the media. The degree provides experiential learning in the media or medium of each student's choice from the following areas: television, film, radio, newspapers, books, magazines, recording, public relations and advertising. Students must take specific courses from the following departments: English, Business, Theatre/ Speech and Communications.

The Faculty

The 11 professors and instructors who comprise the English department are award-winning scholars with diverse educational backgrounds and professional interests. One is an internationally noted Jack London expert, while another is a comparative literature scholar from Yale. From poetry to Shakespeare, from film analysis to technical writing, their breadth of experience combines to form a department that provides sound and effective training in all areas of writing, literature and communication.

Kathy Fell

Career Opportunities

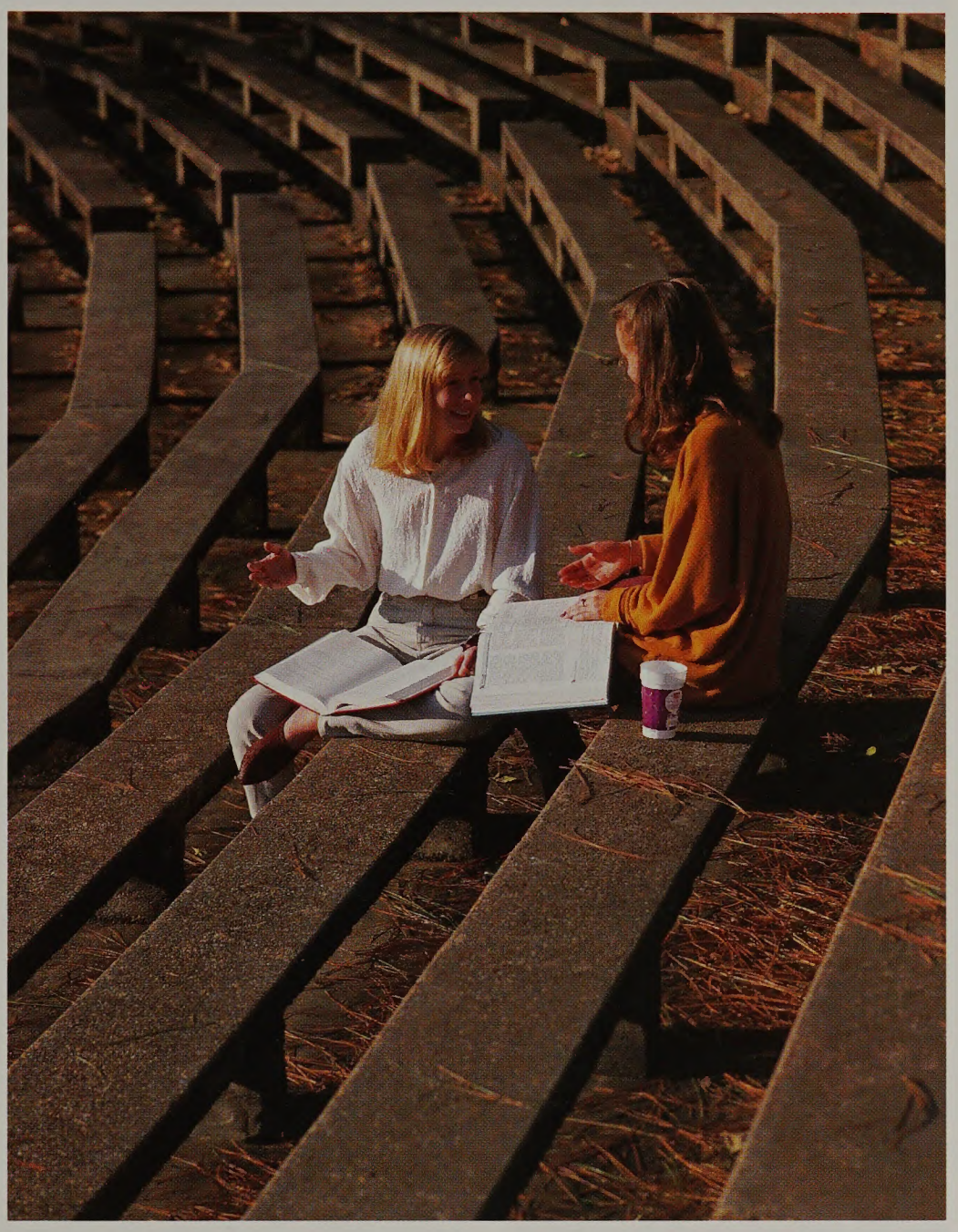
A strong writing background will serve any student as they enter the job market. Many English majors attend graduate programs and law schools. Others enter the fields of education, professional writing, technical writing, film/television production, screenwriting, public relations and advertising.

PSYCHOLOGY & SOCIOLOGY

The Psychology Curriculum

The study of the human mind and human behavior has fascinated us for centuries. At Centenary, the **psychology** major focuses on psychology as a scientific field of study, while still recognizing the application of psychology to broad humanistic concerns. The curriculum in psychology focuses on the problems of understanding, predicting and controlling behavior. Course offerings include research methodology, human growth and development, theories of personality, animal behavior and physiological psychology.

Mark Fisch



The Sociology Curriculum

Sociology majors study human beings, human groups, and humanely constructed institutions and organizations. Centenary's Department of Sociology encourages students to understand the interaction between individuals in the context of a given culture as well as the interplay between groups and the larger society. Through courses such as social problems, marriage and family, cultural anthropology, criminology, urban society and social stratification, students begin to understand the complexities of society and how they might affect change through their own professional endeavors. One of the most popular classes at Centenary is the criminology course in which every students is required to do an eight-hour "ride-along" with a local police officer. The department has shifted its focus over the past few years to applied/clinical sociology with students encouraged to use their knowledge and expertise for the betterment of others.

The Faculty

The faculty of the psychology and sociology departments have varied research and professional interests. These include criminology, ecological theory, urbanization, psychology of gender, cognitive psychology, and experimental psychology.

Career Opportunities

Students pursuing careers in government, law enforcement and social work often choose to major in sociology. Many Centenary sociology graduates attend top 20 graduate programs in social work. Others further their education or pursue careers in sociology, law, public administration, counseling, law enforcement and with nonprofit organizations.

For most psychology majors, graduate school plays an important role in their future. Some go immediately into medical and graduate school. A degree in psychology can lead to a career as a psychologist, therapist, counselor or crisis intervention specialist.

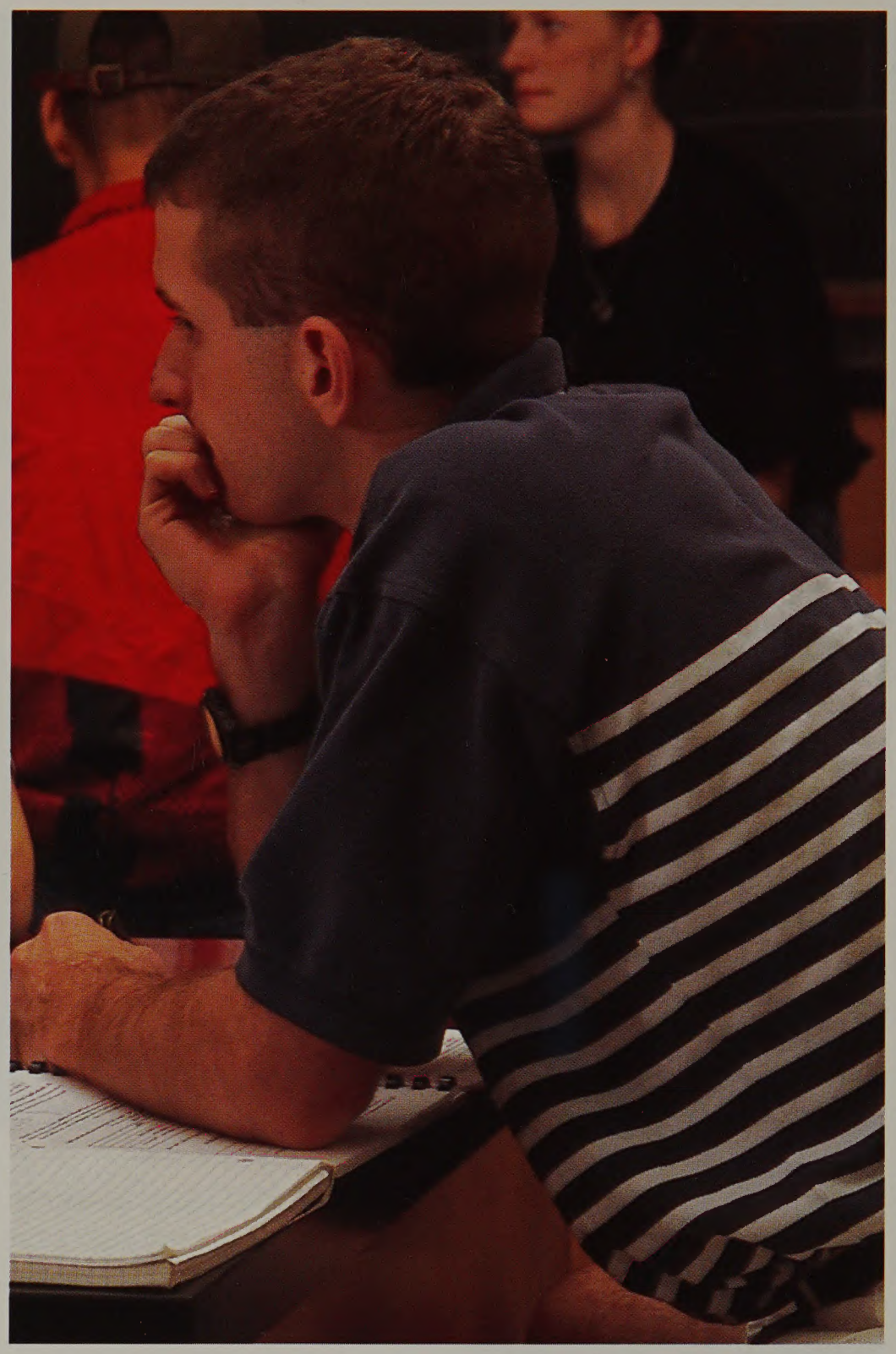
UNDECIDED

Curriculum For The Undecided

The preceding pages outlined specific academic majors and courses of study available to all Centenary students. But what about those students who might not know exactly what they want to study? It may ease your mind to know that **most freshman do not select a major in until completing their first year of college**. As a matter of fact, the average college student changes majors three times. So, don't feel pressured to decide a major until you have had the chance to explore different academic areas and determine for yourself the best course of study for you.

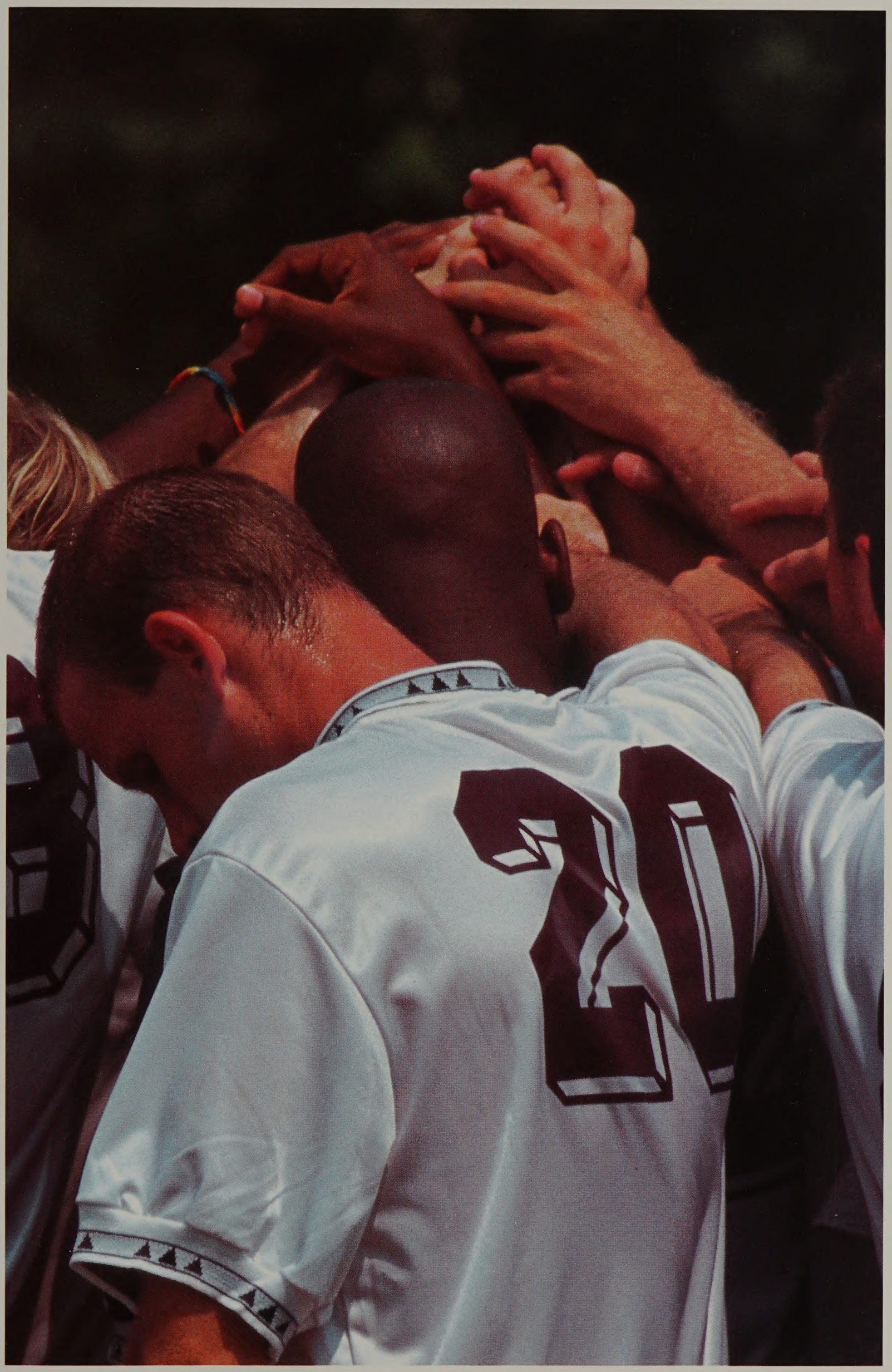
Academic Advisers

One of the most influential and important people you will work with at Centenary is your academic adviser. Advisers—faculty members who help you choose your course of study during your time here—are considered by many students to be both mentors and friends. For those who do not have a specific major in mind, an adviser can help them select from numerous course offerings that will give them a "taste" of the different academic options available. One of the benefits of our liberal arts approach is being exposed to courses in the social sciences, humanities and science. Students who are unsure about which major to pursue find that the broad range of course selections are beneficial when it comes **time to declare a major—during the first semester of their junior year.**



Career Planning

In addition to academic advising, the Centenary College Career Center works with students by providing opportunities for discovery of, inquiry about and preparation for their career paths of choice. This is an excellent first step for students who may be undecided about their majors or for those with a specific academic interest who are not sure what type of employment is available in that particular field. Beginning in your first semester, courses such as career exploration, interviewing skills, and resume writing serve as a foundation for personal and professional growth. Through a series of seminars, lectures, career and graduate school fairs, and access to an extensive career library, students are aptly prepared to pursue specific career goals or attend the most prestigious professional and graduate schools.



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